CENTRAL INTELLIGENCE AGENCY

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	it is wrong to believe that the German specialists were brought to the Soviet Union only when the Soviets encountered difficulties in re-constructing the German war- time missiles. Instead the scientists as well as the missile reference material were regarded as spoils of war.	
TWO	SEPARATE GUIDED MISSILE PROGRAMS	
4.	Some Soviet-supervised studies of the German missiles had already been made in the years 1945 and 1946 in such places as Nordhausen and Soemmerda. Upon arrival in the USSR, the Soviet missile development program was divided into two distinct branches. The Germans, for example, those in Ostashkov, were given research programs which constituted modifications, refinements, or advances on the German war models in regard to range and load capacity. The second, or Soviet, branch pursued a course which was not made known to the German scientists. they spent the first period studying the German approach, and that at a given time the Soviet specialists pushed beyond the latest German development point. In what year, however, the Soviets attained the German stage of 1945 is not known to me.	
PRI	ORITY ASSIGNED TO THE MISSILE PROGRAM	
5•	There is no question that the Soviets pursued this work with great intensity, and that a priority was assigned to this research work. A clue to the actual priority rating of the missile program may be obtained from the salaries given the German specialists working in the USSR. The missile personnel received salaries which were considerably higher than those received by personnel engaged in the airplane industry, while they received somewhat less than electronic specialists.	
6.	The Soviets would have little difficulty in shifting the necessary manpower to a priority project. This can be done in several ways. For instance, a certain percentage of engineering graduates can be ordered to a desired institute or plant; or, engineers from other plants can be attracted by means of allurements in the form of higher wages, special bonuses, etc. it is also possible that ideological arguments may be used to sway young graduate engineers into critical fields. Should such arguments prove ineffective, other methods will be used. Young graduates are given their choice of several locations or plants for work upon graduation. Generally some weight is given to the student's own preference, but it is equally possible to insure the needed skilled manpower for priority projects by simply controlling or eliminating altogether the choice factor.	25X1
	TRIBUTION MADE BY GERMAN SCIENTISTS TO SOVIET RESEARCH AND DEVELOPMENT	25X1
7.	profited relatively little. This was primarily because of the Soviets	
	method of operating, and also the lack of facilities, particularly experimental facilities, on the Island. similar work with the same number of personnel, if performed in Germany and under normal circumstances would have been performed in perhaps one-third	25X1

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8. It may appear paradoxical that some items of considerable interest were nevertheless developed under the given circumstances. It may well be that these technical novelties, such as the mov		SECRET
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13.	Although journals from the most diverse technical fields were available, there was not a single periodical on rocket development.	25X1
-	many of the journals	25X1
	received were always censored and often whole articles or sentences were deleted.	25X1
_		25X1
Ę	Comment: Dr. ALBRING obtained the elements	25X1
•	of a formula on the effect of heat on steel at extreme speeds and altitudes from technical literature available at Ostashkov.	25X1
A destruct	RDING EFFECT OF SOVIET OPERATION METHODS	
14.	The greatest deterrent to progress was caused by Soviet operating methods with the emphasis on planning. This method invaded even the scientific research fields. Every development assignment was to be completed by a certain time	25X1
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	It was further required, to give a periodical account of the degree of completion	
•	the project had achieved, expressed in terms of percent. All this was time consuming and Furthermore, it inevitably led to misleading accounts	25X1 25X1
15.	Additional time was wasted when, at the end of a given report period, the Soviets found that the prospective development stage had not been reached. Many days would then be lest convincing (often by fraudulent means) the Soviets that the expected stage had been reached, or to explain why the stage could not be reached. In short, a wearisome battle of words ensued which resulted in the less of many manhours of labor.	
16.	Time was also lest as a result of impossible demands made by the Soviets.	25X1
		25X1
17.	No time was lost as a result of placing ideologically acceptable Soviets of inferior technical capacity in positions of leader- ship. Then again, this problem was not experienced at Ostashkov, since the Soviet personnel employed there had essentially only	
. *	administrative functions.	
MEAS	URES SOVIETS COULD TAKE TO ASSURE A MORE EFFICIENT EXPLOITATION	
18.	technical efficacy, the Soviets would have to correct	
	the various conditions cited above.	25X1 25X1
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MINO	OR PROJECTS CONTINUED BY REMAINING SCIENTISTS	
19.	Approximately twenty-five German scientists and their families remained in Ostashkov after the departure of the Germans in	
	June 1952.	2
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	SON FOR RETENTION OF GERMAN SCIENCISTS	
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